



STDN DAILY REPORT  
FOR GMT DAYS  
12,13 AND 14 MARCH , 2001

Part I. Operations

12 MARCH

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN ANOMALIES - None.

13 MARCH

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

**1. WGS/FAST Support**

**13/0237-0245Z**

The TPCE workstation halted prior to support reason unknown. An attempt to reboot the system was unsuccessful. The automated commands were not uplinked to the S/C due to no connection with the project. No data loss declared, all data was recorded. TTR # 23718 CDS ID # 18291

**STATION EQUIPMENT**

TOTS 0237-0246Z 8 Min. 5 Sec. Svc Loss

**2. SGS/LANDSAT-7 Support**

**13/1010-1015Z**

HPA did not turn on at 2-degree elevation. Had to disable/enable HPA, switch HPA power off and on and HPA system from standby mode to operate mode from SCC to get uplink on. Due to this anomaly POCC was unable to send automated command to dump on this pass. 256kb data was dumped on orbit 10164. TTR # 23719 CDS ID # 18292

## **STATION EQUIPMENT**

11 METER 1009-1025Z 4 Min. 45 Sec. Svc/Data Loss (Recov)

14 MARCH

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

### **1. AGS/WIRE Support**

**14/0308-0839Z**

The master computer hung prior to AOS reason unknown. The operator loaded the support configuration from the backup master computer and manually started the recorders at AOS to clear the anomaly. TTR # 23721 CDS ID # 18295

## **ANOMALY UNKNOWN**

TOTS 0308-0318Z 1 Min Svc/DATA Loss (Recov)

### **2. SGS/EO-1 Support**

**14/1547-1601Z**

EO1 MOC reported seeing one command getting through to the Spacecraft after sending two. Everything looked normal at the station. The POCC requested SGS perform a resweep, still commands were not observed at the PTP.

TTR # 23722 CDS ID # 18297

## **ANOMALY UNKNOWN**

11 METER 13 Min. 24 Sec. Svc/Data Loss Comm Non-Recov.

## Part II . Testing Anomalies

### A. SN Test:

1. TDRSS MAP GN Engineering Test	12/0950-1920Z	NCC/FDF/STGT/NISN/ RFSOC/MAP/SMOC/ MITOC (Spacecraft)
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#### Objectives:

- A. Verify the SN can acquire the MAP spacecraft in the GN coherent mode.
- B. Verify the SMOC can command the MAP spacecraft via SN.
- C. Verify MAP SMOC ability to transmit a switch command and connect to the secondary WDISC PTP.
- D. Verify the SN can send spacecraft telemetry data to SMOC via WDISC.
- E. Verify the SMOC can receive/process spacecraft telemetry from the Space Network.
- F. Send valid 2-way tracking data to FDF.
- G. Verify coherent MAP Service Specification Code (SSC) for WDISC Board 3.

Results: Objective Partially Met.

#### Remarks:

The SN acquired the MAP spacecraft in the GN coherent mode. MAP SMOC commands were received by the spacecraft. MAP SMOC utilized both WDISC PTPs to transmit commands to the spacecraft. NCC verified the switch commands. MAP SMOC received and processed good telemetry data via the SN and WDISC utilizing 2 KBPS and 6.2 KBPS data rates.

Objective F. was not met. Post-test analysis of tracking data by FDF indicated tracking data was invalid and could not be processed. The problem is under investigation. This objective will be retested during the next MAP test.

Due to the unavailability of the spacecraft on March 13, the test events scheduled for March 13 were canceled.

## B. GN Test:

1. Delta II P-3 Tarmac Test      13/1500-2100Z      NCC/MOSA/NISN/FDF/  
WSC/P-3/CCAS/HAE/  
KSC/CD&SC

### Objectives:

To test circuits and equipment end to end using both support P-3s TDRSS and NISN circuits in preparation for the launch of the Delta II Mars Odyssey.

Results:    Objective Partially Met.

### Remarks:

Ran the P-3 data flow from Point Mugu tarmac through TDRS to Hangar AE. NISN/KSC CD&SC were used. The P-3 used the normal antenna instead of the horn antenna. The Eb/no for RIFCA data was 22.0 DBm for both aircraft, and for the 16.384 KBPS third stage data was 16.8 DBm for both aircraft. The 320 KBPS was only tested from Bloodhound 341 since it is not a requirement to send that data in real time. The Eb/no for the 320 KBPS data was 15.8 DBm. Hangar AE evaluated all data and everything was clean except the 16.384 KBPS data from WSC to Hangar AE via KSC CD&SC CD3 board 2. Hangar AE was able to bypass CD&SC and look directly at the 16.384kbps from the multicast IONET and reported that the data was clean. Hangar AE forwarded all RIFCA to FDF for validation. FDF reported the RIFCA looked good from Hangar AE. Both P-3s checked out successfully and are cleared to proceed to the staging site. The data was recorded at WSC on the LORs. The 16.384 KBPS data will be played back to Hangar AE for further troubleshoot the CD&SC SCD at a later date.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

\*\* = New Items

#### Part IV. Scheduled Activities:

GOES-M I&T Telemetry and Command Test MIL and GOES-M  
POCC 15/1500-1700Z

QUIKSCAT QMOC and SKS TNOC 11-METER CUSTOMER  
ACCEPTANCE 15/1547-1610Z  
15/1702-1720Z

PROJECT ANTENNA # 2 (PA2) TEST 15/1600-2100Z  
15/2100-2300Z

Part V. Launch Forecast Changes - None.